

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	412	(715/503).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/09/29 10:36
L2	506	(715/762).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/09/29 10:36
L4	197	(715/509).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/09/29 10:36
L5	1213	(715/530).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/09/29 10:43
L6	1	("5272628").PN.	US-PGPUB; USPAT	OR	OFF	2006/09/29 11:48
L7	369	append\$4 with source with table	US-PGPUB; USPAT	OR	ON	2006/09/29 11:08
L8	100	append\$4 with source with data with table	US-PGPUB; USPAT	OR	ON	2006/09/29 11:12
L9	0	append\$4 with source with portion with data with table	US-PGPUB; USPAT	OR	ON	2006/09/29 11:12
L10	17	append\$4 with source with information with data with table	US-PGPUB; USPAT	OR	ON	2006/09/29 11:14
L11	7	inser\$4 with source with spreadsheet	US-PGPUB; USPAT	OR	ON	2006/09/29 11:14
L12	7	11 not 10	US-PGPUB; USPAT	OR	ON	2006/09/29 11:15
L13	9309	(spreadsheet or table) with includ\$4 with source	US-PGPUB; USPAT	OR	ON	2006/09/29 11:16
L14	1231	(spreadsheet or table) near3 includ\$4 near3 source	US-PGPUB; USPAT	OR	ON	2006/09/29 11:16
L15	106	(spreadsheet or table) near includ\$4 near source	US-PGPUB; USPAT	OR	ON	2006/09/29 11:16
L16	106	15 not 10 not 11	US-PGPUB; USPAT	OR	ON	2006/09/29 11:37
L17	1	("20040194112").PN.	US-PGPUB; USPAT	OR	OFF	2006/09/29 11:38
L18	1	17 and (source with system with ID)	US-PGPUB; USPAT	OR	ON	2006/09/29 11:39
L19	6159	(combin\$4 or merg\$4) with (cell or data) with (spreadsheet or table)	US-PGPUB; USPAT	OR	ON	2006/09/29 11:40
L20	1695	19 and ((append\$4 or includ\$4) with source)	US-PGPUB; USPAT	OR	ON	2006/09/29 11:41
L21	717	(combin\$4 or merg\$4) near3 (cell or data) near (spreadsheet or table)	US-PGPUB; USPAT	OR	ON	2006/09/29 11:40
L22	77	21 and ((append\$4 or includ\$4) near source)	US-PGPUB; USPAT	OR	ON	2006/09/29 11:41

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L23	6	21 and (((append\$4 or includ\$4) near source) with (table or spreadsheet))	US-PGPUB; USPAT	OR	ON	2006/09/29 11:44
L24	9325	(table or spreadsheet) with includ\$4 with (source or (location near original))	US-PGPUB; USPAT	OR	ON	2006/09/29 11:45
L25	17	(table or spreadsheet) with includ\$4 with (location near original)	US-PGPUB; USPAT	OR	ON	2006/09/29 11:45
L26	1	6 and (map\$4 with table)	US-PGPUB; USPAT	OR	ON	2006/09/29 12:03
L27	1	6 and stor\$4	US-PGPUB; USPAT	OR	ON	2006/09/29 12:09
L28	0	6 and memory	US-PGPUB; USPAT	OR	ON	2006/09/29 12:04
L29	0	6 and sav\$4	US-PGPUB; USPAT	OR	ON	2006/09/29 12:09
L30	0	6 and database	US-PGPUB; USPAT	OR	ON	2006/09/29 12:09

	Document ID	Issue Date	Title	Current OR
1	US 20060122882 A1	20060608	On-line interactive system and method for providing content and advertising information to a targeted set of viewers	705/14
2	US 20060090052 A1	20060427	Data protection device and method of securing data	711/163
3	US 20050210083 A1	20050922	Storage system storing a file with multiple different formats and method thereof	707/205
4	US 20040267581 A1	20041230	System, method, and computer program product for employee migration assessment and forecast	705/7
5	US 20030022698 A1	20030130	Dialing method for dynamically simplifying international call in cellular phone	455/564
6	US 20020095667 A1	20020718	Optimizing compilation by forward store movement	717/154
7	US 20020032707 A1	20020314	Manual processing system	715/530
8	US 6883139 B2	20050419	Manual processing system	715/530
9	US 6850980 B1	20050201	Content routing service protocol	709/226
10	US 6782278 B2	20040824	Dialing method for dynamically simplifying international call in cellular phone	455/564
11	US 6609182 B1	20030819	Smart hibernation on an operating system with page translation	711/159
12	US 6442603 B1	20020827	Methods for ordered delivery of electronic content	709/218

	Document ID	Issue Date	Title	Current OR
13	US 6272571 B1	20010807	System for improving the performance of a disk storage device by reconfiguring a logical volume of data in response to the type of operations being performed	710/74
14	US 6122685 A	20000919	System for improving the performance of a disk storage device by reconfiguring a logical volume of data in response to the type of operations being performed	710/74
15	US 5906000 A	19990518	Computer with a cache controller and cache memory with a priority table and priority levels	711/151
16	US 4697977 A	19871006	Safety brake for vertical lift	414/662
17	US 4660130 A	19870421	Method for managing virtual memory to separate active and stable memory blocks	711/209


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1 [Computing curricula 2001](#)


 September 2001 **Journal on Educational Resources in Computing (JERIC)**

Publisher: ACM Press

Full text available: pdf(613.63 KB)

html(2.78 KB)

 Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

2 [Applications: Data warehouse processing and query by mail](#)



Ken Gordon

 September 1996 **ACM SIGAPL APL Quote Quad**, Volume 27 Issue 1

Publisher: ACM Press

Full text available: pdf(672.37 KB)

 Additional Information: [full citation](#), [abstract](#)

Much effort in I/S is currently going into creating "Data Warehouses." These are stores of data periodically extracted from older legacy applications, converted to common standards and made accessible for user analysis. The warehouse acts as a WORM (Write Once, Read Many times) storage. Where the extract and transfer is performed nightly, they provide access to what is termed "Near Operational" data and can be used to replace much of the existing reporting. In other cases they are used to store ...

3 [Fast detection of communication patterns in distributed executions](#)



Thomas Kunz, Michiel F. H. Seuren

 November 1997 **Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research**

Publisher: IBM Press

Full text available: pdf(4.21 MB)

 Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagrams are often used to obtain a better understanding of the execution of the application. The visualization tool we use is Poet, an event tracer developed at the University of Waterloo. However, these diagrams are often very complex and do not provide the user with the desired overview of the application. In our experience, such tools display repeated occurrences of non-trivial commun ...

4 [Lineage retrieval for scientific data processing: a survey](#)



Rajendra Bose, James Frew

 March 2005 **ACM Computing Surveys (CSUR)**, Volume 37 Issue 1

Publisher: ACM Press

Full text available: pdf(728.75 KB)

 Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Scientific research relies as much on the dissemination and exchange of data sets as on the publication of conclusions. Accurately tracking the lineage (origin and subsequent processing history) of scientific data sets is thus imperative for the complete documentation of scientific work. Researchers are effectively prevented from determining, preserving, or providing the lineage of the computational data products they use and create, however, because of the lack of a definitive model for lineage ...

Keywords: Data lineage, audit, data provenance, scientific data, scientific workflow

5 Branch prediction based on universal data compression algorithms



Eitan Federovsky, Meir Feder, Sholomo Weiss

April 1998 **ACM SIGARCH Computer Architecture News , Proceedings of the 25th annual international symposium on Computer architecture ISCA '98**, Volume 26 Issue 3

Publisher: IEEE Computer Society, ACM Press

Full text available: pdf(987.72 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)
[Publisher Site](#)

Data compression and prediction are closely related. Thus prediction methods based on data compression algorithms have been suggested for the branch prediction problem. In this work we consider two universal compression algorithms: prediction by partial matching (PPM), and a recently developed method, context tree weighting (CTW). We describe the prediction algorithms induced by these methods. We also suggest adaptive algorithms --- variations of the basic methods that attempt to fit limited mem ...

6 Research papers: reverse engineering & refactoring: Inferring templates from spreadsheets



Robin Abraham, Martin Erwig

May 2006 **Proceeding of the 28th international conference on Software engineering ICSE '06**

Publisher: ACM Press

Full text available: pdf(1.09 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

We present a study investigating the performance of a system for automatically inferring spreadsheet templates. These templates allow users to safely edit spreadsheets, that is, certain kinds of errors such as range, reference, and type errors can be provably prevented. Since the inference of templates is inherently ambiguous, such a study is required to demonstrate the effectiveness of any such automatic system. The study results show that the system considered performs significantly better tha ...

Keywords: end-user software engineering, spreadsheet specification, template inference

7 Optimistic replication



Yasushi Saito, Marc Shapiro

March 2005 **ACM Computing Surveys (CSUR)**, Volume 37 Issue 1

Publisher: ACM Press

Full text available: pdf(656.72 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)


Data replication is a key technology in distributed systems that enables higher availability and performance. This article surveys optimistic replication algorithms. They allow replica contents to diverge in the short term to support concurrent work practices and tolerate failures in low-quality communication links. The importance of such techniques is increasing as collaboration through wide-area and mobile networks becomes popular. Optimistic replication deploys algorithms not seen in tradition ...

Keywords: Replication, disconnected operation, distributed systems, large scale systems, optimistic techniques

8 Greenstone: a comprehensive open-source digital library software system


 Ian H. Witten, Stefan J. Boddie, David Bainbridge, Rodger J. McNab
June 2000 **Proceedings of the fifth ACM conference on Digital libraries**

Publisher: ACM Press


Full text available:  pdf(303.96 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This paper describes the Greenstone digital library software, a comprehensive, open-source system for the construction and presentation of information collections. Collections built with Greenstone offer effective full-text searching and metadata-based browsing facilities that are attractive and easy to use. Moreover, they are easily maintainable and can be augmented and rebuilt entirely automatically. The system is extensible: software "plugins" accommodate different document and me ...

9 Research sessions: query processing I: Partial results for online query processing

 Vijayshankar Raman, Joseph M. Hellerstein
June 2002 **Proceedings of the 2002 ACM SIGMOD international conference on Management of data SIGMOD '02**

Publisher: ACM Press


Full text available:  pdf(1.45 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Traditional query processors generate full, accurate query results, either in batch or in pipelined fashion. We argue that this strict model is too rigid for exploratory queries over diverse and distributed data sources, such as sources on the Internet. Instead, we propose a looser model of querying in which a user submits a broad initial query outline, and the system continually generates *partial* result tuples that may contain values for only some of the output fields. The user can watch ...

10 File servers for network-based distributed systems

 Liba Svobodova
December 1984 **ACM Computing Surveys (CSUR)**, Volume 16 Issue 4


Publisher: ACM Press

Full text available:  pdf(4.23 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#), [review](#)

11 Information technologies for the 1990s: an organizational impact perspective

 Detmar W. Straub, James C. Wetherbe
November 1989 **Communications of the ACM**, Volume 32 Issue 11

Publisher: ACM Press


Full text available:  pdf(1.57 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

When a thing is new, people say: "It is not true." Later, when its truth becomes obvious, they say: "It is not important." Finally, when its importance cannot be denied, they say: "Anyway, it is not new." Adapted from William James

12 Personal distributed computing: the Alto and Ethernet software

 Butler Lampson
January 1986 **Proceedings of the ACM Conference on The history of personal workstations**

Publisher: ACM Press

Full text available:  pdf(3.00 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The personal distributed computing system based on the Alto and the Ethernet was a major effort to make computers help people to think and communicate. The paper

describes the complex and diverse collection of software that was built to pursue this goal, ranging from operating systems, programming environments, and communications software to printing and file servers, user interfaces, and applications such as editors, illustrators, and mail systems.

13 Glyphs: flyweight objects for user interfaces

◆ Paul R. Calder, Mark A. Linton
August 1990 **Proceedings of the 3rd annual ACM SIGGRAPH symposium on User interface software and technology**


Publisher: ACM Press

Full text available:  pdf(1.04 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

14 Manufacturing resource planning on a PC local area network

◆ H. Clark Kee, Roy L. Post
May 1986 **ACM SIGAPL APL Quote Quad , Proceedings of the international conference on APL APL '86**, Volume 16 Issue 4

Publisher: ACM Press


Full text available:  pdf(1.47 MB) Additional Information: [full citation](#), [abstract](#), [index terms](#)

This paper details a large APL programming project of 12 man years. An integrated software system structured on the principles of MRP (manufacturing resource planning) was implemented by a Bristol-Myers in house team for use in a new manufacturing facility. The system applies off-the-shelf technology in innovative ways, using STSC APL*PLUS/PC as the only programming language, to build a very sophisticated application on IBM/PCs fully sharing data in a secure environment via the N ...

15 An experimental multimedia mail system

◆ Jonathan B. Postel, Gregory G. Finn, Alan R. Katz, Joyce K. Reynolds
January 1988 **ACM Transactions on Information Systems (TOIS)**, Volume 6 Issue 1

Publisher: ACM Press

Full text available:  pdf(1.50 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#), [review](#)

A computer-based experimental multimedia mail system that allows the user to read, create, edit, send, and receive messages containing text, images, and voice is discussed.

16 Integrating the CAD model with dynamic simulation: simulation data exchange

◆ Shreekanth Moorthy
December 1999 **Proceedings of the 31st conference on Winter simulation: Simulation--a bridge to the future - Volume 1**

Publisher: ACM Press

Full text available:  pdf(51.25 KB) Additional Information: [full citation](#), [citations](#), [index terms](#)

17 The POSTGRES next generation database management system

◆ Michael Stonebraker, Greg Kernitz
October 1991 **Communications of the ACM**, Volume 34 Issue 10

Publisher: ACM Press

Full text available:  pdf(5.74 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

Keywords: Extended relational database management systems, POSTGRES

18 Charging for information services in Service-Oriented Architectures

Kerry Taylor, Tim Austin, Mark Cameron

March 2005 **Proceedings of the IEEE EEE05 international workshop on Business services networks BSN '05**

Publisher: IEEE Press

Full text available:  pdf(168.85 KB) Additional Information: [full citation](#), [abstract](#), [references](#)

Industries are adopting Service-Oriented Architectures (SOA) for multi-organisational federated information systems where there is synergistic value in combined services. By contributing his own information services to the federation, each participant benefits from integrated access to services provided by other participants. However, integrated information services for use by external customers, based on SOA, are rare. One reason for this is the absence of technical mechanisms for information p ...


19 Intermedia: The architecture and construction of an object-oriented hypemedia system and applications framework



Norman Meyrowitz

June 1986 **ACM SIGPLAN Notices , Conference proceedings on Object-oriented programming systems, languages and applications OOPSLA '86**, Volume 21 Issue 11

Publisher: ACM Press

Full text available:  pdf(1.96 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This article presents a case study of the development of the Intermedia system, a large, object-oriented hypermedia system and associated applications development framework providing sophisticated document linkages. First it presents the educational and technological objectives underlying the project. Subsequent sections capture the process of developing the Intermedia product and detail its architecture and construction, concentrating on the areas in which object-oriented technology has ha ...

20 Haskell and XML: generic combinators or type-based translation?



Malcolm Wallace, Colin Runciman

September 1999 **ACM SIGPLAN Notices , Proceedings of the fourth ACM SIGPLAN international conference on Functional programming ICFP '99**, Volume 34 Issue 9

Publisher: ACM Press

Full text available:  pdf(1.48 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

We present two complementary approaches to writing XML document-processing applications in a functional language. In the first approach, the generic tree structure of XML documents is used as the basis for the design of a library of combinators for generic processing: selection, generation, and transformation of XML trees. The second approach is to use a type-translation framework for treating XML document type definitions (DTDs) as declarations of algebraic data types, and a derivation of the cor ...

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